



55 W.L. Runnels Industrial Drive; Hattiesburg, MS 39401

## SAFETY DATA SHEET

### 1. Identification

<b>Product Name</b>	Epoxy cyclohexyl POSS <sup>®</sup> Cage Mixture
<b>Product Number</b>	EP3F08.01
<b>Synonyms</b>	NA
<b>CAS Number</b>	NA
<b>Product Use</b>	Various
<b>Manufacturer</b>	Hybrid Plastics, Inc. 55 Runnels Dr Hattiesburg, MS 39401 US
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### 2. Hazards Identification

#### GHS Classification

Flammable Liquid	(Category 3)
Reproductive Toxicity	(Category 1B)
Acute Aquatic Toxicity	(Category 3)

#### GHS Label Elements



**Signal Word** Danger

**Hazard Statement(s)**

H226 Flammable liquid and vapor  
H315 Causes skin irritation  
H318 Causes serious eye damage  
H335 May cause respiratory irritation  
H360 May damage fertility or the unborn child  
H402 Harmful to aquatic life

**Precautionary Statement(s)**

P201 Obtain special instructions before use  
P202 Do not handle until all safety precautions have been read and understood  
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P233 Keep container tightly closed  
P240 Ground/bond container and receiving equipment  
P241 Use explosion-proof electrical/ventilating/lighting/equipment  
P242 Use only non-sparking tools  
P243 Take precautionary measures against static discharge  
P273 Avoid release to the environment  
P280 Wear protective gloves/eye protection/face protection  
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
P308 + P313 IF exposed or concerned: Get medical advice/attention  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up  
P501 Dispose of contents/container to an approved waste disposal plant

**3. Composition/Information on Ingredients**

Chemical Identity	CAS#	EC#	Concentration	Impurities
Epoxycyclohexyl Silsesquioxanes	187333-74-0		60-80%	None
1-Methoxy-2-propyl acetate	108-65-6	203-603-9	20-40%	None

**4. First Aid Measures****Inhalation**

Remove to fresh air. If breathing becomes difficult, seek immediate medical attention.

**Skin Contact**

Wash off with soap and water.

**Eye Contact**

Flush eyes with plenty of water.

**Ingestion**

Wash out mouth with water if person is conscious.

## 5. Fire Fighting Measures

### **Suitable extinguishing media**

Use water spray, carbon dioxide, dry chemical powder or appropriate foam.

### **Special protective equipment and precaution for fire fighters**

Fire fighters exposed to vapors should wear a self-contained breathing apparatus and full protective clothing to prevent contact with skin and eyes.

### **Unusual Fire and Explosion Hazards**

Flammable liquid and vapor.

### **Combustion Products**

Irritating or toxic substances may be emitted upon thermal decomposition. Thermal decomposition products may include oxides of carbon, silicon and nitrogen

## 6. Accidental Release Measures

### **Personal precautions**

Exercise appropriate precautions to minimize direct contact with skin or eyes.

### **Environmental precautions**

Do not let product enter drains.

### **Methods for cleaning up**

Use suitable absorbent, sweep up, place in bag and hold for disposal. Ventilate area and wash spill site after material pick up is complete.

## 7. Handling and Storage

### **Handling precaution**

Handle in a fume hood or in properly ventilated area. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

### **Storage precaution**

Ambient temperatures in tightly closed containers.

## 8. Exposure Controls/Personal Protection

### **Respiratory protection**

Where respiratory protection is required, use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### **Hand protection**

Wear protective gloves. Wash thoroughly after handling.

### **Eye protection**

Wear chemical safety goggles or a face shield

### **Skin and body protection**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### **Hygiene measures**

Use common industrial hygiene practices.

## **9. Physical and Chemical Properties**

Appearance	Clear liquid
Odor	No data available
Odor threshold	No data available
pH	No data available
Melting/freezing point	No data available
Initial boiling point and range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability	Flammable
Upper/lower flammability explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Solubility(ies)	Water – Partially soluble
Partition coefficient (n-octanol/water)	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

## **10. Stability and Reactivity**

### **Chemical stability**

Stable under recommended storage conditions.

### **Conditions/materials to avoid**

Exposure to strong bases

### **Hazardous decomposition products**

Carbon dioxide, Carbon monoxide, Silicon Oxides

## **11. Toxicological Information**

### **Acute toxicity**

No data available

### **Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity**

No data available

**Specific target organ toxicity – single exposure**

No data available

**Specific target organ toxicity – repeated exposure**

No data available

**Aspiration hazard**

No data available

**Additional Information**

To the best of our knowledge the toxicological properties have not been thoroughly investigated.

**12. Ecological Information****Toxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**PBT and vPvB assessment**

No data available

**Other adverse effects**

No data available

### 13. Disposal Considerations

#### Product

Contact a licensed waste disposal service to dispose of this material.

#### Contaminated packaging

Dispose of as unused product.

### 14. Transport Information

#### Classification for road and rail transport (ADR/RID)

UN Number: UN1993  
Proper Shipping Name: Flammable Liquids, n.o.s.  
Technical Name: (1-Methoxy-2-propyl acetate in Silsesquioxane Resin)  
Packing Group: III

#### Classification for sea transport (IMO-IMDG)

Transport Hazard Class: 3  
Marine Pollutant: Yes

#### Classification for air transport (IATA/ICAO)

Transport Hazard Class: 3

### 15. Regulatory Information

<b>U.S. Federal Regulations</b>	This product is not currently regulated by SARA/EPCRA
<b>TSCA</b>	Not listed
<b>REACH (EU)</b>	Not registered

### 16. Other Information

**Reviewed by:** Director of Commercial Products

**Date prepared:** 05.03.2016

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